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(54) Title: CARBON NANOSTRUCTURES AND METHODS OF MAKING AND USING THE SAME



(57) Abstract: Carbon nanoflakes, methods of making the nanoflakes, and applications of the carbon nanoflakes are provided. In some embodiments, the carbon nanoflakes are carbon nanosheets, which are less than 2 nm thick. The carbon nanoflakes may be made using RF-PECVD. Carbon nanoflakes may be useful as field emitters, for hydrogen storage applications, for sensors, and as catalyst supports.

WO 2005/084172 A2

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